



User Manual.

24" LED-TV

LED-2411

Lenco

For information and support, www.lenco.eu

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Introduction

Thank you very much for your purchase of our product of LED TV. It serves as a normal colour TV and PC monitor. To enjoy your TV to the full from the very beginning, read this manual carefully and keep it handy for ready reference.

INSTALLATION

- ① Locate the TV in a room where direct light does not strike the screen. Total darkness or a reflection on the picture screen can cause eyestrain. Soft and indirect lighting is recommended for comfortable viewing.
- ② Allow enough space between the receiver and the wall to permit ventilation.
- ③ Avoid excessively warm locations to prevent possible damage to the cabinet or premature component failure.
- ④ This TV can be connected to AC100-240V 50/60HZ.
- ⑤ Do not install the TV in a location near heat sources such as radiator, air ducts, direct sunlight, or in a place somewhere like close compartment and close area. Do not cover the ventilation openings when using the TV.
- ⑥ The indicator light will last about 30 seconds to go out after cutting off the electricity, during this period, you cannot repower it on until the indicator light goes out, thanks a lot for your attention!

Warning



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO AVOID THE RISK OF ELECTRIC SHOCK.
DO NOT REMOVE COVER (OR BACK).
NO USER- SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

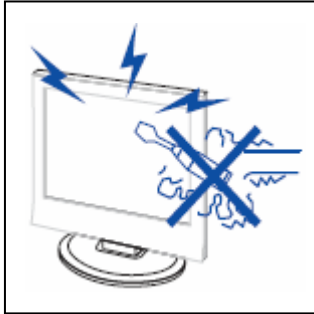


This symbol is intended to alert the user to avoid the risk of electric shock, do not disassemble this equipment by anyone except a qualified service personnel.



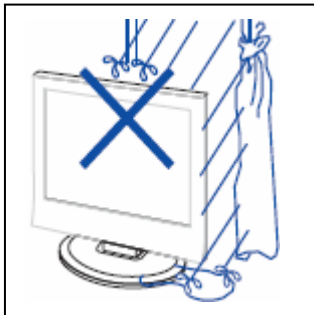
This symbol is intended to alert the user to the presence of important operation and maintenance instructions in the literature accompanying the equipment.

Caution



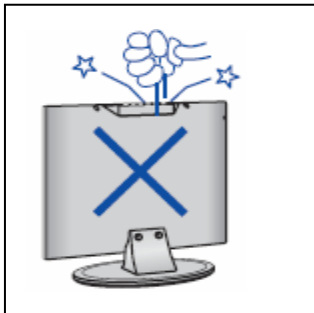
Caution

High voltages are used in the operation of this product. Do not open the product's casing. Refer servicing to qualified service personnel .



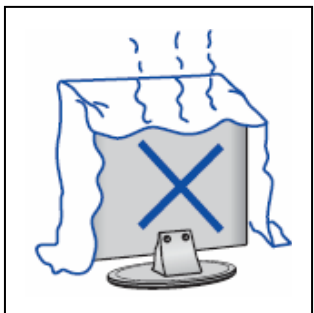
Caution

To prevent fire or electrical shock hazard, Do not expose the main unit to moisture.



Caution

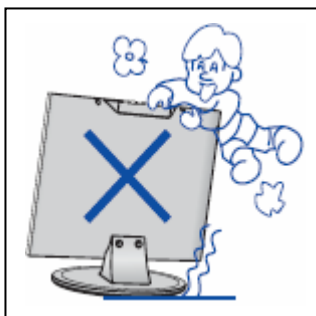
Do not drop or push objects into the television cabinet slots or openings. Never spill any kind of liquid on the television receiver.



Caution

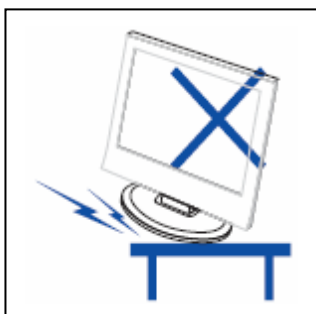
Avoid exposing the main unit to direct sunlight and other sources of heat. Do not stand the television receiver directly on other products which give off heat. E. g. video cassette players, Audio amplifiers. Do not block the ventilation holes in the back cover. Ventilation is essential to prevent failure of electrical component. Do not squash power supply cord under the main unit or other heavy objects.

Caution



Caution

Never stand on, lean on, push suddenly the product or its stand. You should Pay special attention to children.



Caution

Do not place the main unit on an unstable cart stand, shelf or table. Serious injury to an individual, and damage to the television, may result if it should fall.



Caution

When the product is not used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet.



Caution

The LED panel used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the LED panel breaks.

Main unit description

Control Panel Button Function

VOL+ : Volume up.

VOL- : Volume down.

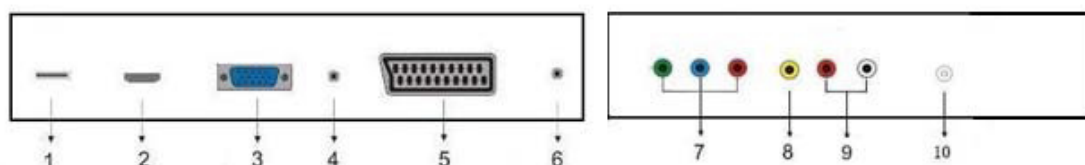
CH+ : TV channel up.

CH- : TV channel down.

MENU : Press to select the main menu.

TV/AV : Select the input signal.

POWER : Switch on when in standby mode or enter the standby mode.



TV Terminal Connections

1. USB input terminal.
2. HDMI input terminal.
3. VGA input terminal of simulation signal of PC.
4. PC AUDIO terminal.
5. SCART terminal.
6. HEADPHONE output terminal.
7. Component (YPbPr\YCbCr) input terminal .
8. Video input terminal.
9. AUDIO input terminal.
10. .ATV antenna/close circuit TV network port or DTV antenna port.

Power Input Configuration



AC



POWER

Optional Configuration as below:

Connect the USB to the USB jack on the set.



NOTE

- It is only 500 mA MAX of DC current output when you connect with USB jack
- To ensure the Mobile HD works well, you should use other power supply for the Mobile HD. And do not use the USB jack in the same time.
- It supports Mobile HD by connecting with USB jack (must more than 2GB). The partitions of the Mobile HD can't be more than 4 partitions. The max partition is 2TB. It supports FAT/FAT32 document. The max FAT document is 4GB and the max FAT32 document is 2TB.

Remote control



POWER: Power on/off button, press once to turn the TV on and press again to turn the TV off.

MUTE: Press this button to mute or restore sound.

NICAM/A2: In the TV mode, press this key to select the sound effects.

SLEEP: Set the sleep timer.

ASPECT: Press to adjust picture ratio.

MEDIA: Press to select the MEDIA signal source.

DISPLAY: Display TV information.

AUTO: Adjust the picture automatically in PC mode.

PMODE: Select picture mode.

SMODE: Select sound mode.

DTV: Press to switch to DTV (Digital TV) mode

SOURCE: Press to open signal source.

MENU: Press this button to enter the main menu.

EXIT: Exit the OSD (On-screen display).

ENTER: Enter the selected option or perform the selected operation.

0-9: Select and switch to a channel using 0 - 9.

-/-: Display the "Channel List" menu.

↔: Switch back and front between the current and previous channels.

CH+/CH-: Change the channel up and down

VOL+/VOL-: Adjust the volume.

INFO: Display some information of current program in DTV mode.

(Used for models with DTV function only)

AUDIO: Press to select the DTV audio.

(Used for models with DTV function only)

FAV: Switch Favourite List when customer have setted Favourite channel "

(Used for models with DTV function only)

TV/RADIO: Switch between DTV program and radio program (Only audio but not image).

(Used for models with DTV function only)

EPG: Enter electronic program guide.

(Used for models with DTV function only)

SUBTITLE: Open or close subtitle.

(Used for models with DTV function only)



TEXT: Press to enter or exit the Teletext mode.

(Used for European region only)

INDEX: Press this button to go to the index page in Teletext , and press this button to display “Record” list in DTV.

(Used for European region only)

HOLD: Freeze a multi-page passage on screen in Teletext mode.

(Used for European region only)

◀◀: Press to play backward.

(Used for models with MEDIA , DTV function only)

SIZE: Display the top, bottom or all of page to read easily in Teletext mode.

(Used for European region only)

▶▶: Press to play forward.

(Used for models with MEDIA , DTV function only)

REVEAL: Press this button to reveal the hidden information in Teletext page. Press again to hide the information.

(Used for European region only)

⏮: Skip to previous chapter

(Used for models with MEDIA , DTV function only)

SUBPAGE: Carry out the function of SUBCODE in the text while enter the text display mode.

(Used for European region only)

⏭: Skip to next chapter

(Used for models with MEDIA , DTV function only)

PALY **⏸:** Press to start playing the disc or MEDIA , or to pause playing.

(Used for models with MEDIA)

STOP **⏹:** Stop playing the disc or MEDIA.

(Used for models with MEDIA , DTV function only)

REPEAT **⏮:** Start to record.

(The U disk will be formatted when in burning , please do not store important files in the U disk)

T.SHIFT: press the button to pause current DTV program and start record background

RED, GREEN, YELLOW, CYAN: Correspond to the different menu item colours.

OSD basic adjustment

Installation Guide

If this is the first time you are turning on the TV and there are no programs in the TV memory, the "Installation Guide" menu will appear on the screen.

1. Press the "◀/▶" button to select the local language.



2. Press "▲/▼" button to select "Auto Scan" and press the "▶" button or "ENTER" button to enter, press "▼" button to select start and press "ENTER" to confirm, or press the "EXIT" button to exit if necessary.

Note: Searching for platform will take a long time, please be patient!



PICTURE

You can select the type of picture, which best corresponds to your viewing.

1. Press the "MENU" button to enter the OSD menu. Then press "◀/▶" button to select the "PICTURE" menu. Enter the "PICTURE" menu by pressing "▼" button or "ENTER" button.

2. Press "▲/▼" button to select "Picture Mode" and press the "◀/▶" button to select the picture mode.

3. Press "▲/▼" button to select "Contrast" and press the "◀/▶" button to enter contrast adjustment menu to adjust contrast.

4. Press "▲/▼" button to select "Brightness" and press the "◀/▶" button to enter brightness adjustment menu to adjust brightness.

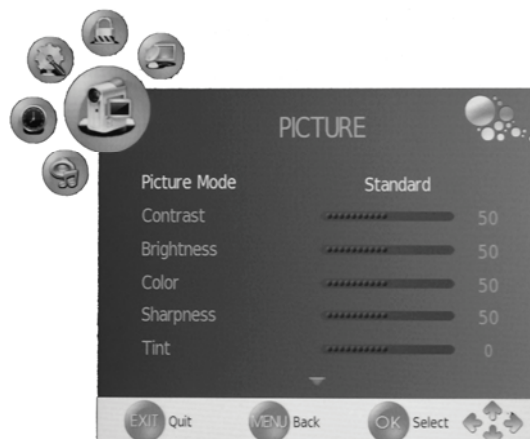
5. Press "▲/▼" button to select "Color" and press the "◀/▶" button to enter color adjustment menu to adjust color.

6. Press "▲/▼" button to select "Sharpness" and press the "◀/▶" button to enter sharpness adjustment menu to adjust sharpness.

7. Press "▲/▼" button to select "Tint" and press the "◀/▶" button to enter hue adjustment menu to adjust tint.

Note: The 'Tint' item is used in NTSC mode only

8. Press "▲/▼" button to select "Color Temperature" and press the "◀/▶" button to select the



color temp.

9. Press “▲/▼” button to select “Red” and press the “◀/▶” button to adjust.
10. Press “▲/▼” button to select “Green” and press the “◀/▶” button to adjust .
11. Press “▲/▼” button to select “Blue” and press the “◀/▶” button to adjust .
12. Press “▲/▼” button to select “Aspect Ratio” and press the “◀/▶” button to select the size which you desire.

Note: When the current source is “PC”, the “Aspect Ratio” item only has two options for “16:9” and “4:3”.

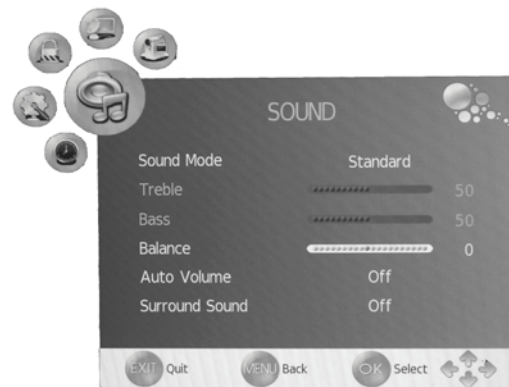
13. Press “▲/▼” button to select “Noise Reduction” and press the “◀/▶” button to select open or close the noise reduction function .

SOUND

You can select the type of sound, which best corresponds to your listening.

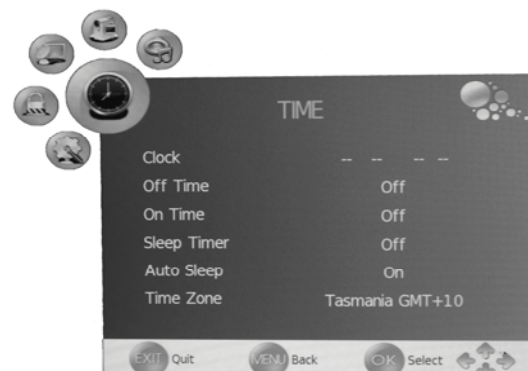
1. Press the “MENU” button to enter the OSD menu. Then press “◀/▶” button to select the “SOUND” menu. Enter the “SOUND” menu by pressing “▼” button or “ENTER” button.
2. Press “▲/▼” button to select “Sound Mode” and press the “◀/▶” button to select the sound mode.
3. Press “▲/▼” button to select “Treble” and press the “◀/▶” button to adjust.
4. Press “▲/▼” button to select “Bass” and press the “◀/▶” button to adjust.
5. Press “▲/▼” button to select “Balance” and press the “◀/▶” button to adjust.
6. Press “▲/▼” button to select “Auto Volume” and press the “◀/▶” button to select “On” or “Off”. This reduces the effect of sudden changes in volume of the source.
7. Press “▲/▼” button to select “Surround Sound” and press the “◀/▶” button to select “Surround” or “Off”.

Note: This creates a surround sound effect, but is not true surround sound.



TIME

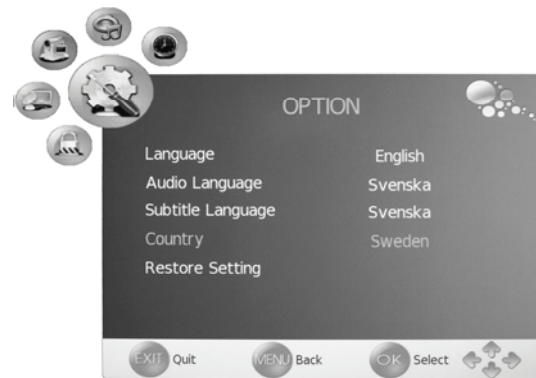
1. Press the “MENU” button to enter the OSD menu. Then press “◀/▶” button to select the “TIME” menu. Enter the “TIME” menu by pressing “▼” button or “ENTER” button.
2. Press “▲/▼” button to select “Clock” and press the “▶” button or “ENTER” button to enter to setup the local time.



3. Press “▲/▼” button to select “Off Time” and press the “▶” button or “ENTER” button to set the time at which you want the TV to turn off.
4. Press “▲/▼” button to select “On Time” and press the “▶” button or “ENTER” button to set the time at which you want the TV to turn on (from standby mode).
5. Press “▲/▼” button to select “Sleep Timer” and press the “◀/▶” button to select sleep time .
6. Press “▲/▼” button to select “Auto Sleep” and press the “◀/▶” button to select the function “On” or “Off”.
7. Press “▲/▼” button to select “Time Zone” and press the “◀/▶” button to select the local time zone.

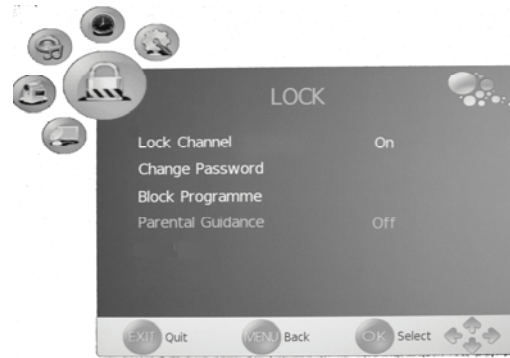
OPTION

1. Press the “MENU” button to enter the OSD menu. Then press “◀/▶” button to select the “OPTION” menu. Enter the “OPTION” menu by pressing “▼” button or “ENTER” button.
2. Press “▲/▼” button to select “Language” and press the “◀/▶” button to select the OSD language which you desire.
3. Press “▲/▼” button to select “Audio Language” and press the “▶” button or “ENTER” button to set the “Audio Language”. This function is only used for DTV source.
4. Press “▲/▼” button to select “Subtitle Language” and press the “▶” button or “ENTER” button to set the “Subtitle Language”. This function is only used for DTV source.
5. Press “▲/▼” button to select “Country”. The Country is set to default state., setting is can not be changed.
6. Press “▲/▼” button to select “Restore Setting” menu and press the “▶” button or “ENTER” button to enter. Press the “◀/▶” button to select “YES” or “NO”, press “ENTER” button to reset when select “YES”, press “ENTER” button to return back to the previous menu when select “NO”.



LOCK

1. Press the "MENU" button to enter the OSD menu. Then press "◀/▶" button to select the "LOCK" menu. Enter the "LOCK" menu by pressing "▼" button. The default password is "0000". The administrator password is "8899".
2. Press "▲/▼" button to select "Lock Channel" and press the "◀/▶" button to select "On" or "Off". Setting to On to close "CHANNEL" MENU and enables Program Blocking
3. Press "▲/▼" button to select "Change Password" and press the "▶" button or "ENTER" button to enter to change password .
4. Press "▲/▼" button to select "Block Programme" and press the "▶" button or "ENTER" button to enter.
Press "▲/▼" button to select the item which you want to lock . Press "GREEN" button to lock the item and press "GREEN" button again to unlock. Press "MENU" button to return the previous menu. Press "EXIT" button to exit the menu.
5. Press "▲/▼" button to select "Parental Guidance" and
6. press the "◀/▶" button to select "Parental Guidance" choose rating or turn off .



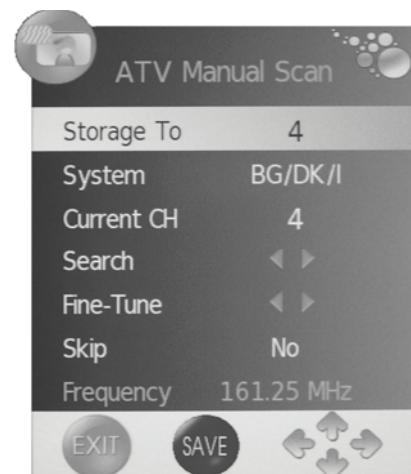
ATV CHANNEL

1. Press the "MENU" button to enter the OSD menu. Then press "◀/▶" button to select the "CHANNEL" menu. Enter the "CHANNEL" menu by pressing "▼" button or "ENTER" button.
2. Press "▲/▼" button to select "Auto Scan" and press the "▶" button or "ENTER" button to do auto search . Press "MENU" button to return the previous menu. Press "EXIT" button to exit.
Note: Searching for platform will take a long time , please be patient!



3. Press “▲/▼” button to select “DTV Manual Scan” and press the “▶” button or “ENTER” button to do DTV manual search. Press “MENU” button to return the previous menu. Press “EXIT” button to exit the menu (This function is only used for DTV source).

4. Press “▲/▼” button to select “ATV Manual Scan” and press the “▶” button or “ENTER” button to do ATV manual search. Press “MENU” button to return the previous menu. Press “EXIT” button to exit the menu. Press “RED” button to save the program.



5. Press “▲/▼” button to select “Programme Edit” and press the “▶” button or “ENTER” button to enter.

a. DELETE

Press “▲/▼” button to select the program and press “RED” button twice to delete the program.

b. RENAME

Press “▲/▼” button to select the program and press “GREEN” button to rename the program. Press “◀/▶” button to select the item which you want to change and press the “▲/▼” button to select the different item . Press “MENU” button to confirm.

c. MOVE

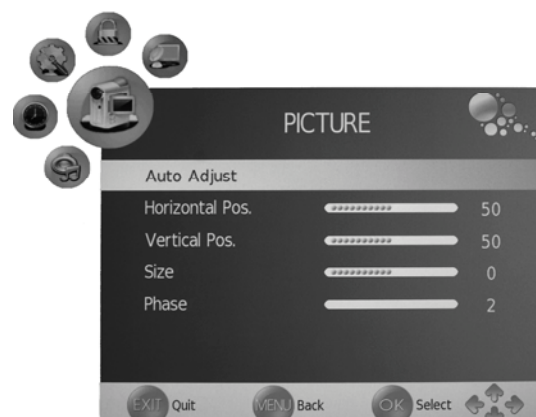
Press “▲/▼” button to select the channel and press the “YELLOW” button to MOVE . Then press the “▲/▼” button to select the channel with which you want to MOVE . Press “YELLOW” button again to confirm.

d. SKIP

Press “▲/▼” button to select the channel which you want to skip and press the “CYAN” button to skip . Press “CYAN” button again to cancel the setting.

e. FAV

Press “▲/▼” button to select the channel and press the “FAV” button to label the channel for favourite.

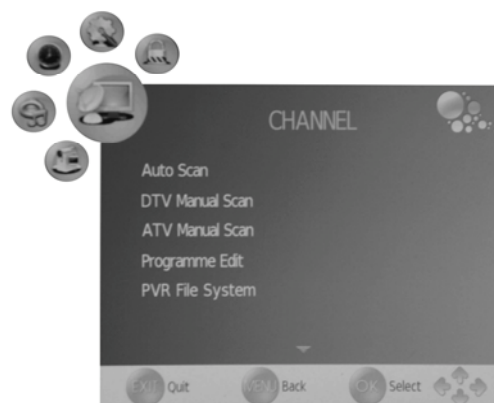


PC (When signal source is PC)

1. Press the “MENU” button to enter the OSD menu. Then press “◀/▶” button to select the “PICTURE” menu. Press “▲/▼” button to select “PC Setup”. Enter the “PC Setup” menu by pressing “▶” or “ENTER” button.
2. Press “▲/▼” button to select “Auto Adjust” menu and press the “▶” button or “ENTER” button to do auto adjustment.
3. Press “▲/▼” button to select “Horizontal Pos.” and press the “◀/▶” button to adjust.
4. Press “▲/▼” button to select “Vertical Pos.” and press the “◀/▶” button to adjust.
5. Press “▲/▼” button to select “Size” and press the “◀/▶” button to adjust.
6. Press “▲/▼” button to select “Phase” and press the “◀/▶” button to adjust.

DTV CHANNEL

1. Press the “MENU” button to enter the OSD menu. Then press “◀/▶” button to select the “CHANNEL” menu. Enter the “CHANNEL” menu by pressing “▼” button or “ENTER” button.
2. Press “▲/▼” button to select “Auto Scan” and press the “▶” button or “ENTER” button to do auto search. Press “MENU” button to return the previous menu. Press “EXIT” button to exit.
Note: Searching for platform will take a long time , please be patient!
3. Press “▲/▼” button to select “DTV Manual Scan” and press the “▶” button or “ENTER” button to do DTV manual search. Press “MENU” button to return the previous menu. Press “EXIT” button to exit the menu.
4. Press “▲/▼” button to select “ATV Manual Scan” and press the “▶” button or “ENTER” button to do ATV manual search. Press “MENU” button to return the previous menu. Press “EXIT” button to exit the menu. Press “RED” button to save the program (This function is only used for ATV source).
5. Press “▲/▼” button to select “Programme Edit” and press the “▶” button or “ENTER” button to enter.
6. Press “▲/▼” button to select “PVR File System” and press the “▶” button or “ENTER” button to enter.



DTV Features

Favourite List

When the source is selected as DTV, users can enter FAVOURITE LIST by pressing “FAV” button. The “Favourite LIST” window is illustrated as follows:



Program Information

When the source is selected as DTV, you can press “INFO” button to display the channel’s information. The PROGRAM INFORMATION window is illustrated as follows:



Audio

When the source is selected as DTV, users can enter “Audio channel” by pressing “AUDIO” button. The “channel audio” window is illustrated as follows:

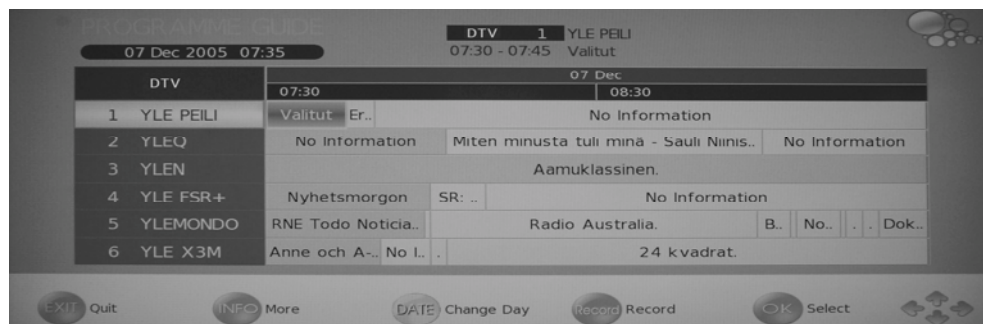
Press “◀/▶” button to select the “Sound Mode” such as “L&R”, “R&R”, “L&L”.



Electronic Program Guide (EPG)

Electronic Program Guide provides program information which will be broadcasted now or in the future. The system will display EPG window by pressing “EPG” button. DATE and TIME information is displayed on the right of the window. The left side shows all channels. The right side shows the programs in the channel. The selected program is also displayed on the top of the screen. When you have selected a program, you can press “INFO” button to display the program’s detail. Press “YELLOW” button to select the data and press the “◀/▶” button to change the day . Press “REPEAT” button to enter record mode.

Note: The U disk will be formatted when in burning , please do not store important files in the U disk.



DTV / Radio Switch

“TV / RADIO” button is used to switch between DTV programs and Digital Radio broadcasts.



Subtitle

When the source is selected as DTV, users can view subtitles (broadcast dependent) by pressing “SUBTITLE” button.



USB Features

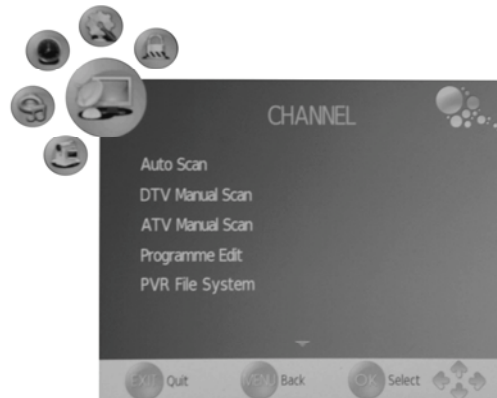
1. Press the “MEDIA” button to enter the “MEDIA” menu.
2. Press the “◀/▶” button enter the “PHOTO” option, and press “ENTER” button to confirm . You can press the “▲/▼” button to enter the file of Memory to play the corresponding document, and then press “ENTER” button to play.
3. Press the “◀/▶” button to enter the “MUSIC” option, and press “ENTER” button to confirm . You should press the “▲/▼” button to enter the file of Memory to play the corresponding document, and then press “ENTER” button to play.
4. Press the “◀/▶”button to play the “MOVIE” option, and press “ENTER” button to confirm . You should press the “▲/▼” button to enter the file of Memory to play the corresponding document, and then press “ENTER” button to play.
5. If you want to save electricity ,press the “CYAN” button to turn off panel power.
6. Press “REPEAT” button to enter repeat mode.



Note: The pics about function are provided for reference only which will be in accordance with exact circumstances .

PVR Operation (Optional)

1. Press the “MENU” button to enter the OSD menu. Then press “◀/▶” button to select the “CHANNEL” menu. Enter the “CHANNEL” menu by pressing “▼” button or “ENTER” button.



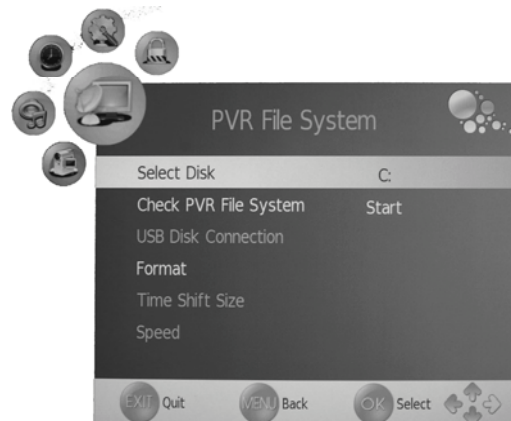
2. Press “▲/▼” button to select “PVR File System” and press the “▶” button or “ENTER” button to enter.

a) Press “▲/▼” button to select “Select Disk” and press the “▶” button or “ENTER” button to choice disk.

b) Press “▲/▼” button to select “Check PVR File System” and press the “▶” button or “ENTER” button to check PVR file system.

c) Press “▲/▼” button to select “Format” and press the “▶” button or “ENTER” button to format disk.

d) Press “▲/▼” button to select “Max record time” and press the “▶” button or “ENTER” button to select the max record time.



3. Press “▲/▼” button to select “Recorder Mode” and press the “▶” button or “ENTER” button to enter.



4. Press “▲/▼” button to select “Recorder Schedule List” and press the “▶” button or “ENTER” button to enter.



Note:

1. The U disk will be formatted when in burning , please do not store important files in the U disk.
2. When you play recording files , press “T.SHIFT” button to paused.
3. Press “ ● ” button for the first time to start recording, for the second time, the sign of recorder will be slimmed down, but it's still under recording .

SPECIFICATIONS

RGB INPUT

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (HZ)
DOS	720x400	31.5	70
VGA	640x480	31.5	60
SVGA	800x600	37.9	60
XGA	1024x768	48.4	60
WXGA	1920 x 1080	67.5	60

HDMI INPUT

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (HZ)
VGA	640 x 480	31.47	59.94
480i	720 x 480i	15.73	59.94/60
576i	720 x 576i	15.63	50
480p	720 x 480p	31.47	59.94/60
576p	720 x 576p	31.26	50
720p	1280 x 720p	37.50 44.96	50 59.94/60
1080i	1920 x 1080i	28.13 33.75	50 59.94/60
1080p	1920 x 1080p	56.25 67.5	50 59.94/60

COMPONENT VIDEO (YPbPr) INPUT

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (HZ)
480i	720 x 480i	15.73	59.94/60
576i	720 x 576i	15.63	50
480p	720 x 480p	31.47	59.94/60
576p	720 x 576p	31.26	50
720p	1280 x 720p	37.50 44.96	50 59.94/60
1080i	1920 x 1080i	28.13 33.75	50 59.94/60
1080p	1920 x 1080p	56.25 67.5	50 59.94/60

Trouble Shooting

Before consulting service personnel, check the following chart for possible solutions.

PROBLEM	SOLUTION
TV will not turn on	<ul style="list-style-type: none"> ● Make sure the power cord is plugged in. ● The batteries in the remote control may be Exhausted ; replace the batteries.
No picture, no sound	<ul style="list-style-type: none"> ● Check the cable between TV and antenna/ external AV device. ● Press the power button on the remote. ● Press the SOURCE button the remote, then press the “▲/▼” button repeatedly to select the TV source.
Poor picture, sound OK	<ul style="list-style-type: none"> ● Check the cable between TV and antenna/ external AV device. ● Try another channel, the station may have broadcast difficulties. ● Adjust the brightness/contrast in the Video menu. Check that the unit is set to PAL
Audio noise	<ul style="list-style-type: none"> ● Move any infrared equipment away from the TV.

The LED panel uses a panel consisting of sub pixels which requires sophisticated technology to produce. However, there may be a small number of bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.



If at any time in the future you should need to dispose of this product please note that: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive)

